OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE
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HEALTH AFFAIRS

MEMORANDUM FOR DEPUTY SURGEON GENERAL OF THE ARMY
DEPUTY SURGEON GENERAL OF THE NAVY
DEPUTY SURGEON GENERAL OF THE AIR FORCE
PROGRAM EXECUTIVE OFFICER, MILITARY HEALTH SYSTEM JOINT MEDICAL INFORMATION SYSTEMS OFFICE
DIRECTOR, NETWORK OPERATIONS DIVISION, INFORMATION MANAGEMENT, TECHNOLOGY & REENGINEERING
CHIEF ENTERPRISE ARCHITECT, MILITARY HEALTH SYSTEM

SUBJECT: Military Health System Portable Computing Devices Configuration Guidance

This document establishes Office of the Assistant Secretary of Defense (Health Affairs) guidance for Military Health System (MHS) Portable Computing Devices. This guidance was developed by the Tri-Service Technical Integration Working Group and was coordinated and approved by the MHS Information Management Program Review Board. Portable Computing Devices can provide some or all of the computing capability of a desktop PC, but are designed for easy portability. For the purpose of this document, Portable Computing Devices' configurations that will be covered are Desktop Replacement, Travel Notebook, and Tablet Computer (Attachments 1, 2 and 3, respectively). Other Portable Electronic Devices (PEDs) such as Personal Digital Assistants (PDAs), cell phones, audio/video recording devices, bar code scanners, and messaging devices are not addressed by this guidance at this time. All Portable Computing Devices acquired using Defense Health Program (DHP) funding should satisfy the minimum requirements stipulated in the attached tables.

This memorandum supercedes the MHS "Minimum Notebook Configuration Guidance," dated July 22, 2002.

The purpose of presenting these configurations is to simplify procurement decisions at all levels and to promote seamless interoperability both within MHS and between MHS and other components of the DoD community. While there will always be a need for specialized requirements, the common support solutions presented here should satisfy most users' mobile computing requirements. It is expected that this guidance will:

- Achieve economies of scale
- Increase interoperability
- Reduce complexity
- Simplify the management of information systems

The Portable Computing Device platform will consist of hardware and operating system services and should be based on the considerations of the external environment in which the computing platform is placed. Portable computing solutions can vary widely in processing power, memory, hard drive capacity, screen characteristics, weight, and accessories. Along with the variety of configurations comes a wide range of costs. It is important to clearly assess the planned uses of these devices before determining which unit to purchase.

To support this decision process, Attachments 1, 2, and 3 provide a brief description of the following configurations: Desktop Replacement, Travel Notebook, and Tablet Computer. Attachments also provide detailed information on the standard MINIMUM configurations for each class of machine to support the MHS. Specific requirements may dictate the need for additional RAM, disk capacity, or additional components. However, all acquisitions for new and/or upgraded equipment using DHP funds must meet the minimum configuration requirements outlined in this document.

It is the responsibility of the end user to safeguard Protected Health Information (PHI) and Sensitive Information (SI) on these devices at all times according to existing DoD and Service policy and guidance.

Point of contact for this guidance is the Office of Technology Management, Integration and Standards at (703) 681-6779 or by electronic mail at tmisweb@tma.osd.mil.

James C. Reardon
Chief Information Officer
Military Health System

Attachments:
As stated

1. Desktop Replacement

The Desktop Replacement configuration is designed to support all office automation requirements, plus the full range of mission applications and graphical presentation tools. It is intended to be the primary personal computer for users who typically remain docked to their monitor and keyboard, but who must occasionally have higher computing power on the road for presentations, complex spreadsheets, or modeling tools.

Desktop Replacement

Processor	Pentium 4 – 4M compatible
Processor Speed	2.0 GHz
Operating System	IAW Current MHS Operating System Guidance
RAM	512MB SDRAM
Hard Drive	40GB ATA-5
Floppy Drive	3.5 In., 1.44 MB
CD ROM	24X CD-RW (24X CD-RW w/DVD optional)
I/O Slots	2 Type I/II or 1 Type III
I/O Ports Parallel Video Serial PS/2 USB	 High-speed (ECP/EPP) - optional 15-pin connector - one Serial (9 pin, 16550 compatible) - optional PS/2 (6-Pin Mini-DIN) - one USB-compliant connector – two
Display	15 inch TFT Active Matrix (capable of 1024 x 768 resolution)
Video RAM	16MB
Modem	56K V.92
Network	10/100 Mb/s Ethernet capable
Power	Lithium-Ion Battery and Universal AC adapter (12 cell battery with 2 ½ hour battery life)
Bus Type/Architecture	PCI
Multimedia Features	PCI 16-bit Stereo audio, Line in, Microphone (integrated), Sound Blaster Pro (compatible), Speaker (built-in), Speaker/headphone jack
Common Access Card (CAC) Reader	*A list of tested CAC Readers can be found on the Defense Manpower Data Center Web site at; http://www.dmdc.osd.mil/smartcard/images/PKIPMOReaderList-5-May-01.pdf
Docking Station	Optional (As required)

2. Travel Notebook

The Travel Notebook configuration will support all office automation requirements and most other applications. This category is intended for those who typically are on the road rather than docked. The light weight and the extended battery life make it a more practical machine to carry.

Travel Notebook

Processor	Pentium 4-M compatible
Processor Speed	2.0 GHz
Operating System	IAW Current MHS Operating System Guidance
RAM	512MB SDRAM
Hard Drive	20GB ATA-5
Floppy Drive	Optional
CD ROM	24X CD-RW (24X CD-RW w/DVD optional)
I/O Slots	2 Type I/II or 1 Type III
I/O Ports Parallel Video Serial PS/2 USB	 High-speed (ECP/EPP) - optional 15-pin connector - one Serial (9 pin, 16550 compatible) - optional PS/2 (6-Pin Mini-DIN) - one USB-compliant connector - two
Display	14 inch TFT Active Matrix (capable of 1024 x 768 resolution)
Video RAM	16MB
Modem	56K V.92
Network	10/100 Mb/s Ethernet capable
Power	Lithium-Ion Battery and Universal AC adapter (6 cell battery with 4 hour battery life)
Bus Type/Architecture	PCI
Multimedia Features	PCI 16-bit Stereo audio, Line in, Microphone (integrated), Sound Blaster Pro (compatible), Speaker (built-in), Speaker/headphone jack
Common Access Card (CAC) Reader	*A list of tested CAC Readers can be found on the Defense Manpower Data Center Web site at; http://www.dmdc.osd.mil/smartcard/images/PKIPMOReaderList-5-May-01.pdf
Docking Station	Optional (As Required)

3. Tablet Computer

The Tablet PC provides all the performance and features of notebook PCs. Special features of the Tablet PC open up new options for mobile computing such as advanced handwriting and speech recognition capabilities, a natural interface for entering data using a digital pen in addition to keyboard, and the ability to run full versions of standard Windows-based applications. The Tablet PC allows a user to take notes using natural handwriting on a touch screen that is stylus- or digital pen-sensitive. It is similar in size and thickness to a yellow paper notepad, and can function as the user's primary personal computer, as well as a note-taking device. The Tablet PC can be run in a wireless network environment, but for the purposes of this document, the configuration will be considered a stand-alone device.

Tablet Computer

Processor	Pentium III-M
Processor Speed	866 MHz
Operating System	Windows XP Pro Tablet PC
RAM	512MB SDRAM
Hard Drive	20GB ATA-5
Floppy Drive	Optional USB Floppy Drive
CD ROM	Optional (PC Card CD-ROM, PC Card DVD-ROM, or DVD-ROM/CD-RW)
I/O Slots	1 Type II/Type I
I/O Ports	USB-compliant connector
Display	TFT Color LCD (capable of 1024 x 768 resolution)
Video RAM	16MB
Modem	56K V.92
Network	10/100 Mb/s Ethernet capable
Power	Lithium-Ion Battery and Universal AC adapter (6 cell battery with 4 ½ hour battery life)
Common Access Card (CAC) Reader	*A list of tested CAC Readers can be found on the Defense Manpower Data Center Web site at; http://www.dmdc.osd.mil/smartcard/images/PKIPMOReaderList-5-May-01.pdf CAC Reader must have a USB connector.
Docking Station	Optional (As Required)